

# Hudson Refinery Site (Payne County) Oklahoma

**EPA REGION 6**  
**CONGRESSIONAL DISTRICT 03**

**EPA ID# OKD082471988**  
**Site ID: 0601160**



**Contacts:**  
**Laura Stankosky 214-665-7525**

**Updated: December 2007**

## Current Status

---

- The Remedial Investigation Report and the Feasibility Study have been finalized by the Oklahoma Department of Environmental Quality (ODEQ).
- The Proposed Plan to address contamination at the site was made available to the public. A Public Meeting was held on May 31, 2007, from 6:00 PM to 7:30 PM at the City of Cushing City Hall.
- The Record of Decision outlining the selected plan to address contamination at the Site was finalized November 23, 2007. The Administrative Record file, which contains complete documentation of the clean up analysis, is available for public review at the Cushing Public Library.
- The Agency for Toxic Substances and Disease Registry (ATSDR) released the Public Health Assessment on June 22, 2006. While the ATSDR found no exposure risk to individuals in the City of Cushing or living adjacent to the Site. Contamination at the Site remains at levels above human health risk levels. The City of Cushing has enacted an ordinance prohibiting Site access; activity at the Site should be prohibited until after clean up to protect human health.

## Benefits

---

The cleanup of the contaminated media at the Hudson Oil Refinery Superfund site will reduce the health and ecological risks associated with the remaining contamination.

## National Priorities Listing (NPL) History

---

NPL Inclusion Proposal Date:	April 23, 1999
NPL Inclusion Final Date:	July 22, 1999
NPL Deletion Proposal Date:	n/a
NPL Final Deletion Date:	n/a

**Location:** The Hudson Refinery site is located in Cushing, Payne County, Oklahoma. Surrounding the site are residential and agricultural lands to the north and commercial properties to the south. Highway 33 (Main Street) separates the site into a "north" and "south" refinery. The "North Refinery" consists of approximately 165 acres, and the "South Refinery" is approximately 35 acres.

**Setting:** Historical aerial photographs indicate the site operated as a refinery beginning as early as the mid-1930s. Refining operations ended in 1982, and the site was abandoned. The site historically included aboveground storage tanks, wastewater treatment impoundments, separators, stained soils, a land treatment unit, and loose and friable asbestos containing material. Runoff from the

site enters on-site wetlands and storm water collection ponds. The tanks, piping and most of the refinery superstructure were removed from the site during the EPA removal actions.

Population: There are approximately 8,371 residents in the City of Cushing.

## Site Map

---



## Health Considerations

---

There is a potential exposure threat to human health through ingestion, dermal contact, or inhalation of soil or surface water from the site due to hazardous chemicals that may still be present at the site. These materials may present both a cancer and non-cancer risk to human health. Some of the more toxic chemicals residuals that may still be present are TEL, hydrogen sulfide (H<sub>2</sub>S), benzene, hydrochloric acid (HCL), hydrosulfuric acid, HF, mercury, arsenic, chromium, ammonia, and calcium hypochlorite. Asbestos containing material associated with the piping and vessels at the facility were friable, had weathered and deteriorated over time posing an increasing risk of release to the air. All aboveground tanks on the site containing some of the more toxic chemicals and the asbestos piping were removed during the 1998 and 2002 removals.

## Record of Decision (ROD)

---

**No ROD has been signed for the site**

The Record of Decision (ROD) will be developed after the RI/FS and Proposed Plan are presented to the public for comment.

## Site Contacts

---

EPA Remedial Project Manager:	Laura Stankosky	214-665-7525 or 800-533-3508
EPA Community Involvement Coordinator	David Birdsong	214-665-2221 or 800-533-3508
EPA Site Attorney:	George Malone	214-665-8030 or 800-533-3508
EPA Regional Public Liaison:	Arnold Ondarza	800-533-3508
ODEQ Oklahoma State Contact:	Amy Brittain	405-702-5133